



## WP-EN6

4K60 4:2:0 1G HDCP 2.2 PoE 2-Gang  
Wall-Plate Video Encoder

| HDMI | Ethernet - RJ-45 | 4K/60 UHD (4:2:0)



WP-EN6 is a 2-gang (US) wall-plate video encoder that provides streaming of 4K@60Hz (4:2:0), HDCP 2.2, HDMI video, IR, RS-232, and USB signals over an IP network in unicast (one-to-one) or multicast (many-to-many) configurations

## FEATURES

**High Resolution Video Streaming** - 4K@60Hz (4:2:0) HDMI with HDCP 2.2 compliance

**Maximum Compatibility** - Fully standard and compliant JPEG 2000 codec, enables compatibility with other software and hardware encoders. Open encoding enables software decoding through VLC™ player software

**Reliable PoE (Power over Ethernet) Powering** - Auto-senses the extension line PoE status, and accepts power from a remote PoE provider such as a PoE matrix, with optional mains powering from connected power adapter (not included)

**Standard Ethernet Network Operation** - 10M/100M/1000M

**Selectable Streaming Mode** - Unicast or multicast through RTSP (Real Time Streaming Protocol)

**Flexible Video Wall Setups** - 1 to 256 screens

**Virtualization** - IR, USB, RS-232 over IP

**Network** - Switch 1G multicast IGMP snooping managed layer 2

**Easy Installation** - Fits into standard US 2-gang in-wall box size, supporting decorative integration with room deployed user interfaces such as electrical switches. Wall-plate installation is fast and cost-effective via a single twisted pair cable, providing both video signal and power (PoE) connections



## TECHNICAL SPECIFICATIONS

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Inputs	1 HDMI: On an HDMI connector
Ports	1 RS-232: On a 3-pin terminal block connector 1 USB: On a USB type-B connector 1 IR (Tx): On 3.5mm mini jack 1 IR (Rx): On 3.5mm mini jack 1 Ethernet (LAN/PoE): On an RJ-45 connector
General	Network: 10M/100M/1000M Network Switch Requirements: 1G multicast, IMGP snooping non-blocking, Layer 2 Streaming: Unicast and multicast through RTSP (Real Time Streaming Protocol) IR: Wide-band 20kHz to 60kHz bidirectional IR transmission Scaling and Cropping: Built in scaling and cropping for flexible display of source content on the decoder output Bit Rates: Peak – 850Mbps, 4K average – 350Mbps, 1080p average – 250Mbps
Video	Compression standard: JPEG 2000 Resolutions: 4096x2160@60Hz, 3840x2160@60Hz, 1920x1200@60Hz, 1920x1080@60Hz, 1864x1050@60Hz, 1856x1392@60Hz, 1792x1344@60Hz, 1728x1080@60Hz, 1704x960@60Hz, 1680x1050@60Hz, 1600x1200@60Hz, 1600x1050@60Hz, 1600x900@60Hz, 1536x960@60Hz, 1440x900@60Hz, 1440x576@60Hz, 1440x480@60Hz, 1400x1050@60Hz, 1366x768@60Hz, 1360x768@60Hz, 1280x1024@60Hz, 1280x960@60Hz, 1280x800@60Hz, 1280x768@60Hz, 1280x720@60Hz, 1224x768@60Hz, 1152x864@60Hz, 1152x720@60Hz, 1024x768@60Hz, 1064x600@60Hz, 1024x384@60Hz, 960x600@60Hz, 848x480@60Hz, 800x600@60Hz, 768x480@60Hz, 720x576@60Hz, 720x480@60Hz, and 640x480@60Hz, 640x400@60Hz, 640x350@60Hz Content Protection: HDCP 2.2
Audio	Channels (HDMI embedded Audio): PCM 2, 5.1, 7.1 Channel, Dolby Digital 5.1 Channel, Dolby Digital Plus, Dolby Digital True-HD, DTS 5.1 Channel, DTS-ES, DTS-HD High Resolution, DTS-HD Master Audio
User Interface	Controls: Reset button, channel display Indicators: Device ID, link and power LEDs
Power	Source: PoE Consumption: 400mA max
Accessories	Included: White Decora® or similar frame set Optional: 12v external DC power supply
Environmental Conditions	Operating Temperature: 0° to +40°C (32° to 104°F) Storage Temperature: –40° to +70°C (–40° to 158°F) Humidity: 10% to 90%, RHL non-condensing
Product Dimensions	

US: 12.10cm x 5.10cm x 12.10cm (4.76" x 2.01" x 4.76" ) W, D, H

Product Weight US: 0.2kg (0.5lbs) approx

Shipping Dimensions US: 23.20cm x 13.60cm x 10.00cm (9.13" x 5.35" x 3.94" ) W, D, H

Shipping Weight US: 0.5kg (1.1lbs) approx

